

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
*(Use several sheets if necessary)*

Docket Number (Optional)

SPT-029.01

Application Number

09/934,250

Applicant  
Dang et al.

Filing Date

3/2/02

Group Art Unit

1617

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	NAME	CLASS	SUBCLASS	ISSUING DATE IF APPROPRIATE
SH	AA	4,954,298	9-4-90	Yamamoto et al.	
	AB	4,978,332	12-18-90	Luck et al.	
	AC	5,439,686	8-8-95	Desai et al.	
	AD	5,747,060	5-5-98	Sackler et al.	
	AE	5,853,732	12-29-98	Munden	
	AF	5,993,836	11-30-99	Castillo	
	AG	6,214,387	4-10-01	Berde et al.	
	AH	6,217,911	4-17-01	Vaughn et al.	
	AI	5,906,814	5-25-99	H. Epstein	
	AJ	5,733,572	3-31-98	Unger et al.	
SH	AK	4,265,883	5-5-81	M.R. Cameron	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
SH	AL	JP 8-259464	10-8-96	Japan		X	
	AM	WO 00/64437	11-2-00	PCT			
	AN	WO 94/05265	3-17-94	PCT			
	AO	WO 94/20144	9-15-94	PCT			
SH	AP	WO 95/09613	4-13-95	PCT			

**OTHER DOCUMENTS**

(Including Author, Title, Date, Pertinent Pages Etc.)

SH	AQ	Castillo et al., "Glucocorticoids Prolong Rat Sciatic Nerve Blockade In Vivo from Bupivacaine Microspheres," Anesthesiology, 85(5):1157:1166 November (1996)
SH	AR	Curley et al., "Prolonged Regional Nerve Blockade," Anesthesiology, 84(6):1401:1410 (1996)
SH	AS	Dybre et al., "Inclusion of Lignocaine Base Into a Polar Lipid Formulation In Vitro Release Duration Of Peripheral Nerve Block and Arterial Blood Concentrations in the Rat," Acta Anaesthesiol Scan 45:583-589 (2001)

EXAMINER

DATE CONSIDERED



5/17/02

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Form PTO-1449

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Docket Number (Optional)

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2/1/01Group Art Unit  
1617

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SH	AT	5,531,925	07/02/96	Landh et al.		
	AU	5,573,781	11-12-96	Brown et al		
	AV	5,622,993	4-22-97	McGinity et. Al		
	AW	09/907,478		Dang et al.		7-17-01
SH	AX	09/934,794		Dang		8-21-01

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
SH	AY	WO 97/44016	11-27-97	PCT			
SH	AZ	WO 97/49391	12-31-97	PCT			
	<del>BA</del>	<del>JP 200197848</del>	<del>4-10-01</del>	<del>Japan</del>			
SH	BB	WO 2000/038617	7-6-00	PCT			
SH	BC	WO 2000/021504	4-20-00	PCT			

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

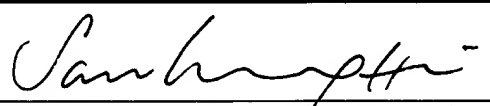
SH	BD	Drager et al., "Prolonged Intercostal Nerve Blockage in Sheep Using Controlled-Release Of Bupivacaine and Dexamethasone from Polymer Microspheres," Anesthesiology, 89(4):969-979 October (1998)
	BE	Fletcher et al. "Antinociceptive Effect of Bupivacaine Encapsulated in Poly (D,L)-Lactide-Co-Glycolide Microspheres in the Acute Inflammatory Pain Model of Carrageenin-Injected Rats," Anesth Analg, 84:90-94 (1997)
	BF	Garry et al., Evaluation of the Efficacy of a Bioerodible Bupivacaine Polymer System on Antinociception and Inflammatory Mediator Release," Pain 82:49-55 (1999)
	BG	Gorner et al., "Lidocaine-loaded Biodegradable Nanospheres. I. Optimization of the Drug Incorporation into the Polymer Matrix," Journal of Controlled Release 57:259-268 (1999)
	BH	Hou et al., "Comparison of Systemic Absorption of Aqueous and Liposomal Lidocaine Following IntraArticular Injection in Rabbits," J. Farnos Med Assoc, 96:141-143 (1997)
	BI	Ignatov et al., "Local Anesthetic Properties of a Trimecaine Polymer," Biull Eksp Biol Med 97:686-688 (1984)
	BJ	Kojima et al., "Preparation and Evaluation In Vitro of Polycarbonate Microspheres Containing Local Anesthetics, Chem. Pharm. Bull 32(7):2795-2802 (1984)
SH	BK	Le Corre, "In Vitro Controlled Release Kinetics of Local Anaesthetics from Poly(D,L-lactide) and Poly(lactide-co-glycolide) Microspheres," J. Microencapsulation 14(2):243-255 (1997)

EXAMINER

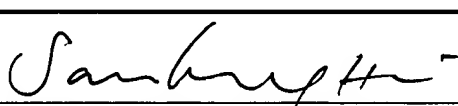
DATE CONSIDERED

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Form PTO-1449		Docket Number (Optional) GPT-029.01		Application Number 09/934,250			
<b>INFORMATION DISCLOSURE CITATION</b> <b>IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>				Applicant Yang et al.			
<b>FEB 28 2002</b> RECEIVED PATENT & TRADEMARK OFFICE				Filing Date 08/21/01			
				Group Art Unit 1617			
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	TRADE DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
SH	BL	WO 99/51209	10-14-99	PCT			
SH	BM	EP 1043030	10-11-00	EP			
SH	BN	WO 98/56323	12-17-98	PCT			
	BO	JP 10316554	12-2-98	Japan			
SH	BP	WO 98/51282	11-19-98	PCT			
<b>OTHER DOCUMENTS</b>						<i>(Including Author, Title, Date, Pertinent Pages Etc.)</i>	
SH	BQ	Le Corre, "Spinal Controlled Delivery of Bupivacaine from DL-Lactic Acid Oligomer Microspheres," Journal of Pharmaceutical Sciences 84(1):75-78 (1995)					
	BR	Malinovsky et al., "A Dose-Response Study of Epidural Liposomal in Rabbits," Journal of Controlled Release 60:111-119 (1999)					
	BS	Malinovsky et al., "Motor and Blood Pressure Effects of Epidural Sustained-Release Bupivacaine from Polymer Microspheres: A Dose-Response Study in Rabbits," Anesth Analg 81:519-524 (1995)					
	BT	Malinovsky et al., "Neurotoxicological Assessment After Intracisternal Injection of Liposomal Bupivacaine in Rabbits," Anesth Analg 85:1331-1336 (1997)					
	BU	Masters et al., "Liposphere Local Anesthetic Timed-Release for Perineural Site Application," Pharmaceutical Research 15(7):1038-1045 (1998)					
	BV	Masters et al., "Prolonged Regional Nerve Blockade by Controlled Release of Local Anesthetic from a Biodegradable Polymer Matrix," Anesthesiology, Vol. 79(2):340-346 August (1993)					
	BW	Masters et al., "Sustained Local Anesthetic Release from Bioerodable Polymer Matrices: A Potential Method for Prolonged Regional Anesthesia," Pharmaceutical Research, Vol. 10(10):1527-1532 (1993)					
	BX	Paavola et al., "Controlled Release and Dura Mater Permeability of Lidocaine and Ibuprofen from Injectable Poloxamer-Based Gels," Journal of Controlled Release 52:169-178 (1998)					
	BY	Polakovic et al., "Lidocaine Loaded Biodegradable Nanospheres II. Modelling of Drug Release," Journal of Controlled Release 60:169-177 (1999)					
SH	BZ	Wakiyama et al., "Influence of Physiochemical Properties of Polylactic Acid on the Characteristics and In Vitro Release Patterns of Polylactic Acid Microspheres Containing Local Anesthetics, Chem. Pharm. Bull, 30(7):2621-2628 (1982)					
EXAMINER					DATE CONSIDERED		
					5/17/02		
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<b>INFORMATION DISCLOSURE CITATION</b> IN AN APPLICATION (Use several sheets if necessary)		Applicant Dang et al.		Group Art Unit 1617	
		Filing Date 02/21/01			
<b>FOREIGN PATENT DOCUMENTS</b>					
	DOCUMENT NUMBER	TRADE DATE	COUNTRY	CLASS	SUBCLASS
SH	CA	WO 98/18610	5-7-98	PCT	
	CB	JP 10-1441	1-6-98	JP	
SH	CC	WO 97/25023	7-17-97	PCT	
	CD	JP 08245369	9-24-96	Japan	
SH	CE	WO 96/09829	4-4-96	PCT	
<b>OTHER DOCUMENTS</b>					
(Including Author, Title, Date, Pertinent Pages Etc.)					
SH	CF	Wakiyama et al., "Preparation and Evaluation In Vitro of Polylactic Acid Microspheres Containing Local Anesthetics, Chem. Pharm. Bull, 29(11):3363-3368 (1981)			
	CG	J. Dredan et al., "Modification of Drug Release with Application of Pharmaceutical Technological Methods" Acta Pharm. Hung. (1999)			
	CH	T. Foster et al., "Release of Highly Water-Soluble Medicinal Compounds from Inert, Heterogeneous Matrixes. II: Melt," J. Pharm. Sci., 79(10), 938-42 (1990)			
	CI	T. Foster et al., "Release of Highly Water-Soluble Medicinal Compounds from Inert, Heterogeneous Matrixes. I: Physical Mixture," J. Pharm. Sci., 79(9), 806-10 (1990)			
	CJ	T. Foster et al., "Constant Release Rate from Inert Heterogeneous Matrixes by Mean of Position-Dependent Loading," Drug Dev. Ind. Pharm. 16(10), 1633-48 (1990)			
	CK	K. Hohn-Elkarim et al, "Modification of Effects of Radiation on Thymidine Kinase" Int. J. Radiat. Biol. 58(1), 97-110 (1990)			
	CL	S.G. Kalaicheva et al., "The Effect of Drugs and Excipients on the Rheological Properties of Castor Oil Emulsions" Farm. Zh. (Kiev) (1)62-63 (1990)			
	CM	R.T. Lostritto et al., "Temperature and Cosurfactant Effects on Lidocaine Release from Submicron Oil-in-Water Emulsions" J. Parenter. Sci. Technol 41(6) 220-4 (1987)			
	CN	U. Hillgren et al., "Mass transfer Across Liquid-Liquid Interfaces. VI. Distribution Rate of Lidocaine in the Presence of Nonionic Surfactant" Acta Pharm. Suec. 23(1)1-13 (1986)			
	CO	I.A. Murav'ev et al., "Study on the Photoprotective Properties of Ointment Components" Farmatsiya 35(2)8-10, 1986**			
SH	CP	I.A. Murav'ev et al., "Role of the Technological Process in the Availability of Drugs and Their Sorption Interaction in Combined Ointments" Farm. Zh. (Kiev) (4)49-54 (1984)*			
EXAMINER				DATE CONSIDERED 5/17/02	
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08/21/01

Group Art Unit


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## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
SH	CQ	WO 95/26715	10-12-95	PCT			
	CR	JP 7173078	7-11-95	Japan			
SH	CS	WO 93/24154	12-9-93	PCT			
	CT	JP 4124128	4-24-92	Japan			
SH	CU	EP 204987	12-17-86	Europe			
SH	CV	EP 275550	7-27-88	Europe			
	CW	JP 6310717	1-18-88	Japan			
	CX	RO 92020	7-30-87	Romania			
	CY	RO 92019	7-30-87	Romania			
	CZ	JP 62142112	6-25-87	Japan			
SH	DA	GB 2177918	2-4-87	Great Britain			
SH	DB	EP 218446	4-15-87	Europe			
	DC	JP 60149331	8-7-85	Japan			
SH	DD	GB 1242547	8-11-71	Great Britain			
	DE	P1 97031429-9	12-22-98	Brazil			
	DF	DE20007734 U1	9-28-00	Germany			
	DG	DE2507417	3-18-76	Germany			

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

SH	DH	F.J. Van de Vaart, "Separation of some Fatty Ointment Excipients by Gradient Elution HPTLC" Pharm. Weekbl. 116(36)1098-101 (1981)
SH	DI	Abstracts for certain references cited here.
SH	DJ	P. Pflögel, "Untersuchungen zur Löslichkeit von Arzneistoffen in Lipoiden Vehikeln" Pharmazie 48:741-743 (1993)
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	DATE CONSIDERED 5/17/02	

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\*Abstract only.

